

Verifier Series X-Ray Inspection Systems

Verifier Series		Features Comparisons		
System Features	Verifier FSX-080	Verifier Plus FSX-075	Verifier HR FSX-090	
System Hardware				
X-Ray Source	80kV	75kV	90kV	
Magnification	110X	220X	715X	
Spot Size	<50 micron	<33 micron	<5 micron	
Resolution	>20 lp/mm	>30 lp/mm	>40 lp/mm	
Field-of-View	>40mm	>70mm	>40mm	
Standard 120VAC Power	Standard	Standard	Standard	
Standard 240VAC Power	Optional	Optional	Optional	
IP Computer Hardware				
Flat Panel Display (Monitor)	19"	19"	19"	
Windows© XP, Operating System	Windows© XP Pro	Windows© XP Pro	Windows© XP Pro	
Image Processor Options				
VIP	Standard	Standard	Standard	
VIP Plus	Optional	Optional	Optional	
VIPx	Optional	Optional	Optional	
Board Handling				
Maximum Board Size	16x18"	16x18"	16x18"	
X/Y Board Manipulation	Manual	Manual	Manual	
Tilt	Manual	Manual	Manual	
Rotate	Optional	Optional	Optional	
Tube-Z1	N/A	N/A	Optional	
Detector-Z2	N/A	N/A	N/A	
Inspection Capabilities				
Solder Joint Quality (BGA, Leaded)	●	●	●	
Bridging	●	●	●	
Voiding	●	●	●	
Opens	●	●	●	
Package Inspection (wire bonds)	○	◐	●	
Bare boards (Inner layers, traces, vias)	○	◐	●	
Subtle Defect Inspection	○	◐	●	
Flip Chip Capable	○	◐	●	

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